



CAI
T200
-T21

TP 2602

Government
Publications

TDC/CDT



PUBLICATIONS 1996



Transport Canada
Transportation
Development Centre

Transports Canada
Centre de développement
des transports

Canada



TP 2602

Published by authority of the
Minister of Transport
Government of Canada
© Public Works and Government Services Canada
1996

Catalogue No.: T48-21/1997
ISBN: 0-662-62778-4
ISSN: 0837-8088



TP 2602

Publié en vertu de l'autorisation
du ministre des Transports,
Gouvernement du Canada
© Travaux publics et Services gouvernementaux Canada
1996

Catalogue n° : T48-21/1997
ISBN : 0-662-62778-4
ISSN : 0837-8088

Contents

Marine Technology	1
Air Technology	2
Road Technology	4
Rail Technology and Transportation of Dangerous Goods	5
Transportation Accessibility	6
General	7

Table des matières

Technologie maritime	1
Technologie aérienne	2
Technologie routière	4
Technologie ferroviaire et transport de marchandises dangereuses	5
Accessibilité des transports	6
Général	7

Ordering Information

The publications listed on the following pages are available from the Transportation Development Centre (TDC), free of charge, while supplies last. Most of these publications contain abstracts and summaries in both official languages. To order, please write to:

Transportation Development Centre
800 René Lévesque Blvd. West
6th Floor
Montreal, Quebec
Canada
H3B 1X9
Facsimile: (514) 283-7158
E-mail: tdccdt@tc.gc.ca

Renseignements

Les publications qui apparaissent dans la liste suivante peuvent être obtenues gratuitement au Centre de développement des transports (CDT), jusqu'à épuisement des stocks. La plupart de ces publications contiennent des résumés et des sommaires dans les deux langues officielles. Pour commander, veuillez écrire à :

Centre de développement des transports
800, boul. René-Lévesque Ouest
6^e étage
Montréal (Québec)
Canada
H3B 1X9
Télécopieur : (514) 283-7158
Courrier électronique : tdccdt@tc.gc.ca

Electronic Version

This list is now updated monthly and posted on TDC's Web site at the following address:

<http://www.tc.gc.ca/TDC/cdt.htm>

Version électronique

Cette liste est maintenant mise à jour mensuellement et affichée sur le site Web du CDT à l'adresse suivante :

http://www.tc.gc.ca/tdc/cdt_fr.htm



Arctic tanker risk analysis, phase 2, 2 volumes, D. Loughnane, B. Judson, J. McCallum, et al., Canarctic Shipping Company Ltd., October 1994. TP 12325E

Arctic tanker risk analysis, phase 2, overview, D. Loughnane, B. Judson, J. McCallum, et al., Canarctic Shipping Company Ltd., October 1994. TP 12324E

Arctic tanker structural requirement evaluation - supplementary work, J. McCallum, et al., Canarctic Shipping Company Ltd., March 1996. TP 12727E

Artificial intelligence applied to target tracking, phase 2, 2 volumes, T. Bhattacharya, M. Baskin, K. Afkhamie, et al., Raytheon Canada Ltd., October 1995. TP 12589E

CANSARP communications interface unit, phase 1, J. Lostracco, J.R. Barrette, and R. Kuzell, SPAR Aerospace Ltd., June 1996. TP 12714E

CANSARP search planning validation, phase 1, 3 volumes, J. Bobbitt, H. Gaskill, T. Bullock, et al., Oceans Ltd., July 1996. TP 12696E

Concept design model, phase 2, 2 volumes, I. Glen, B. Paterson, and M. Steele, Fleet Technology Ltd., March 1996. TP 12783E

Development of a neural network processor for improved radar detection of vessels in a high sea clutter environment, phase 1, S. Haykin, B. Currie, and A. Ukraineec, Communications Research Laboratory, McMaster University, April 1996. TP 12728E

Fast ferry evaluation for Canadian routes, 2 volumes, I. Glen, P. Goubault, C. Wright, et al., Fleet Technology Ltd., March 1996. TP 12740E

Finite element and physical modelling of post yield stability of icebreaker structure, 2 volumes, J. Bond, J. Srinivasan, R. Basu, et al., MIL Systems Engineering, July 1995. TP 12528E

Gaseous emissions from ships, Greg Rideout, Mobile Sources Emissions Division, Environment Canada, October 1995. TP 12572E

Leeway dynamic study, phase 1 validation, P. Johnston, I. Smith, and G. MacWilliam, Software Kinetics Ltd., March 1996. TP 12713E

Loading of tankers from Arctic platforms, B.W. Danielewicz, W.H. Jolles, P. Dunderdale, et al., Canadian Marine Drilling Ltd., October 1995. TP 12531E

Modular ship modelling, phase 2, J.K. Turner, GasTOPS Ltd., April 1996. TP 12778E

Optimization of hull form for future Arctic tankers, phase 1, 2 volumes, Martin Luce, David Baker, Alan Sneyd, et al., Canarctic Shipping Company Ltd., September 1989. TP 10045E

Port of Montreal container systems study, D.A. McKnight and E.A. Radloff, KPMG Management Consulting and Transportation Development Centre, September 1996. TP 12826E

Requirements for electronic chart display and information systems (ECDIS) in frontier regions, 2 volumes, Randall J. Wood, Canarctic Shipping Company Ltd., November 1995. TP 12648E

Seakeeping assessment of a type 300 "ARUN" SAR cutter – CCGC Bickerton, I. Glen, M. Steele, B. Menon, et al., Fleet Technology Ltd., March 1995. TP 12442E

Shipboard reception and use of high resolution imagery products, R. Gorman and D. Flett, Canarctic Shipping Company Ltd., March 1995. TP 12434E

Target detection experiment, phase 2, full-scale experiment, R.B. Fitzgerald, Oceans Ltd., June 1996. TP 12721E

Windows integrated marine management environment (WIMME) and support infrastructure study, R. Basu, K. Bera, A. Davidson, et al., MIL Systems Engineering, September 1995. TP 12561E

AIR TECHNOLOGY / TECHNOLOGIE AÉRIENNE

Analysis of ground aircraft de/anti-icing laboratory holdover time and physical properties, P. Louchez, A. Zouzou, and J.-L. Laforte, Groupe de recherche en ingénierie de l'environnement atmosphérique, March 1996. TP 12712E

Child safety system for commercial aircraft, W. Kung, Aastra Aerospace Inc., March 1996. TP 12523E

Consolidated fluid holdover time field test data, J. D'Avirro, APS Aviation Inc., December 1995. TP 12676E

Evaluation of ground friction measuring equipment under runway winter conditions, J.C. Wambold, CDRM Inc., USA, and Norsemeter, Norway, September 1996. TP 12866E

Feasibility study related to the development of an aircraft ice monitoring system, Stuart Inkpen, Chris Brobeck, John Hall, et al., Instrumar Ltd., April 1992. TP 11268E

Forced air de-icing trials for the 1994-1995 winter, P. Dawson and J. D'Avirro, APS Aviation Inc., December 1995. TP 12655E

Hot water de-icing trials for the 1994-95 winter, P. Dawson and J. D'Avirro, APS Aviation Inc., December 1995. TP 12653E

Keeping an eye on aircraft corrosion / La corrosion des avions sous haute surveillance, **R&D Update / Actualités R&D**, volume 6, no. 2, Transportation Development Centre / Centre de développement des transports, July / juillet 1996. TP 10913

Le virage écologique de l'industrie de l'aviation, J.L. Cornish, J.A. Nicell, et A.D. Groenewege, Centre de développement des transports, janvier 1996. TP 12543F

Location of flight recorders, A. Bosik and T. Bosik, Bosik Consultants Ltd., March 1996. TP 12718E

Merits of dual combined CVR/FDR flight recorder installations, A. Bosik and T. Bosik, Bosik Consultants Ltd., August 1996. TP 12841E

Primary-means navigation for trans-oceanic and remote operations, S. Farès and J. Studenny, Canadian Marconi Company, March 1996. TP 12715E

The greening of aviation, J.L. Cornish, J.A. Nicell, and A.D. Groenewege, Transportation Development Centre, January 1996. TP 12543E

Amélioration du rendement du véhicule électrique Chrysler TEVan pour les conditions climatiques hivernales, N. Vallières, B. Bergevin, et P. Hosatte, TN conseil, août 1996. TP 12831F

Analyse avantages-coûts d'autobus urbains allégés, Sylvie Corbeil, Jean Hardy, et Marie Mantha, Beauchemin-Beaton-Lapointe inc., novembre 1995. TP 12558F

Assessment of sodium chloride storage and loading systems, Lucie Parrot, Nathalie Provost, Caroline Vallée, et al., Soprin, June 1996. TP 12306E

Combustion system development for low-emission natural gas engines, 2 volumes, J.Z. Blaszczyk and R.L. Evans, University of British Columbia, September 1995. TP 12575E

Évaluation des systèmes d'entreposage et de chargement de chlorure de sodium, Lucie Parrot, Nathalie Provost, Caroline Vallée, et al., Soprin, novembre 1994. TP 12306F

Evaluation of the Chrysler TEVan electric vehicle, Michel Lamarche, Centre d'essais pour véhicules automobiles / Motor Vehicle Test Centre, July 1996. TP 12749E

Intelligent transportation systems - an approach to benefit-cost studies, Richard Zavergiu, Transportation Development Centre, May 1996. TP 12695E

Lean NOx technology, phase 1, Karl H. Kozole, ORTECH Corporation, August 1996. TP 12842E

New bus on the road / Autobus novateur nord-américain, **R&D Update / Actualités R&D**, volume 6, no. 1, Transportation Development Centre / Centre de développement des transports, March / mars 1996. TP 10913

Survey of fleet experience with heavy vehicle ABS operation, Jacques R. Tourville, Beauchemin-Beaton-Lapointe Inc., April 1996. TP 12710E

«Taxi!» Automatisation de la gestion des taxis et des limousines d'un aéroport / Taxi! Automated management of airport taxis and limousines, **Actualités R&D / R&D Update**, volume 5, n° 3, Centre de développement des transports / Transportation Development Centre, décembre / December 1995. TP 10913

RAIL TECHNOLOGY AND TRANSPORTATION OF DANGEROUS GOODS/ TECHNOLOGIE FERROVIAIRE ET TRANSPORT DE MARCHANDISES DANGEREUSES

A modified single node thermal model for a liquefied gas tank exposed to fire, A.M. Birk, M. McDonald, and I.R.M. Leslie, Queen's University, October 1994. TP 12244E

Analysis of a steering truck retrofit for 6-axle locomotives, 2 volumes, Roy Smith, RESCO Engineering, June 1996. TP 12752E

Determination of stress state in continuously welded rails, J.O. Igwemezie, Z. Cai, and S.L. Kennedy, Canadian Institute of Guided Ground Transport, April 1992. TP 11463E

Dynamic PRV test facility: facility description and preliminary results, D.B. Chidley and A.M. Birk, Queen's University, December 1995. TP 11762E

High speed rail and Maglev: evolution, status and prospects, Tony Eastham, Queen's University, March 1996. TP 12717E

Hydrogen fuel storage systems for automobiles, A. Akhtar, Powertech Labs Inc., July 1996. TP 12830E

Innotermodal road-rail system, Ecorail Inc. and Consultants Canarail Canada Inc., August 1996. TP 12598E

Residual stress measurement, 2 volumes, J.O. Igwemezie, Canadian Institute of Guided Ground Transport, January 1994. TP 11946E

Système rail-route innotermodal, Ecorail inc. et Consultants Canarail Canada inc., octobre 1994. TP 12598F

Use of instrumented wheelset to quantify coal car performance under increased axle load conditions, W. Pak and Allen E. Kendrick, Canadian Pacific Ltd., April 1996. TP 12722E

Airport baggage handling issues for elderly and disabled persons, D.W. Tack, C.E. Brisland, and R.W. Vellinga, Humansystems Inc. and TES Ltd., April 1995. TP 12474E

An evaluation of accessible transit buses in Vancouver & Victoria, Tom Geehan, TransVision Consultants Ltd., June 1995. TP 12709E

En Voiture! '95 - Actes du deuxième atelier canadien sur la réadaptation des personnes handicapées ou âgées à la conduite automobile, Tom Geehan, TransVision Consultants Ltd., avril 1995. TP 11489F

Evaluation of accessible dock facility: Georgian Bay Islands national park, E. Baertschi and S. Watson, TES Ltd., September 1995. TP 12724E

Factors affecting sled test pulse selection, L. Garland and T. Gibson, TES Ltd. and Biokinetics & Associates Ltd., August 1994. TP 12225E

Feasibility study on the creation and modelling of an anthropometric data base on elderly and disabled persons, Éric Coutu and André Chamberland, Les Consultants Genicom Inc., December 1994. TP 12307E

Keep on rolling '95 - proceedings of the second national workshop for driver educators of elderly and disabled persons, Tom Geehan, TransVision Consultants Ltd., April 1995. TP 11489E

Les personnes handicapées et le transport au Canada - un aperçu, A. Turnbull et J. McKenzie, Goss Gilroy inc., juillet 1995. TP 12545F

Transportation and disability in Canada - an overview, A. Turnbull and J. McKenzie, Goss Gilroy Inc., July 1995. TP 12545E

CDT Répertoire des projets, 13^e édition, Centre de développement des transports, 1995. TP 1936F

Serials currently received / Périodiques reçus, Transportation Development Centre / Centre de développement des transports, December / décembre 1995. TP 781

TDC annual review 1994-95 / Revue annuelle du CDT 1994-1995, Transportation Development Centre / Centre de développement des transports, 1995. TP 3230

TDC project directory, 13th edition, Transportation Development Centre, 1995. TP 1936E

**Transportation
Development Centre**

800 René Lévesque Blvd. West
6th Floor
Montreal, Quebec
Canada
H3B 1X9

**Centre de développement
des transports**

800, boul. René-Lévesque Ouest
6^e étage
Montréal (Québec)
Canada
H3B 1X9